

AMENDMENT AND RESPONSE UNDER 37 CFR §1.111

Serial Number: 10/815,241

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Title: A SEGMENTED BRANCH PREDICTOR

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Dkt: P18222IN THE SPECIFICATION

Please amend the specification as follows:

[0018] In one embodiment of the invention, four intermediate branch history prediction units access four segments of branch history from the branch history register. However, in other embodiments, the number of segments and corresponding intermediate branch history prediction units may be greater or fewer than four. In some embodiments of the invention, some intermediate branch history prediction units may be in parallel and others may be in series with any of the parallel branch history units. Furthermore, the series intermediate branch history prediction units may perform intermediate branch predictions in parallel with each other in other embodiments of the invention.